

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/FR2004/002257

 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C12N9/10 C12N15/54 G01N33/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, Sequence Search, PAJ, WPI Data, FSTA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE PIR 'Online! 17 November 2000 (2000-11-17), "Probable polyketide synthase pks13" XP002314378 retrieved from NCBI Database accession no. D70887 the whole document	1-3,5-8
X	DATABASE PIR 'Online! 15 June 2001 (2001-06-15), "Polyketide synthase" XP002314379 retrieved from NCBI Database accession no. E86921 Equivalent de TrEMBL:Q9CDB1 the whole document	1-3,5-8
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☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

21 January 2005

Date of mailing of the international search report

02/02/2005

Name and mailing address of the ISA

 European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Piret, B

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE GENBANK 9 December 2002 (2002-12-09), "Polyketide synthase" XP002314380 retrieved from NCBI Database accession no. NP_338459 cited in the application Equivalent de TrEMBL:053579 the whole document</p>	1-3,5-8
X	<p>DATABASE GENBANK 'Online! 24 July 2003 (2003-07-24), "Putative polyketide synthase" XP002314381 retrieved from NCBI Database accession no. BAC19515 Equivalent de TrEMBL:Q8FM04 the whole document</p>	1,2,4-8
X	<p>DATABASE GENBANK 'Online! 8 August 2002 (2002-08-08), "Polyketide synthase modules and related proteins" XP002314403 retrieved from NCBI Database accession no. BAC00265 Equivalent de TrEMBL:Q8NLR7 the whole document</p>	1,2,4-8
P,X	<p>PORTEVIN DAMIEN ET AL: "A polyketide synthase catalyzes the last condensation step of mycolic acid biosynthesis in mycobacteria and related organisms." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES, vol. 101, no. 1, 6 January 2004 (2004-01-06), pages 314-319, XP002277487 January 6, 2004 ISSN: 0027-8424 (ISSN print) cited in the application the whole document</p>	1-11
A	<p>ASSELINEAU CECILE ET AL: "The biosynthesis of mycolic acids by Mycobacteria: Current and alternative hypotheses" PROGRESS IN LIPID RESEARCH, vol. 41, no. 6, November 2002 (2002-11), pages 501-523, XP002277485 ISSN: 0163-7827 page 517, paragraph 6.9 - page 521</p>	
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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A	MINNIKIN DAVID E ET AL: "The methyl-branched fortifications of Mycobacterium tuberculosis" CHEMISTRY AND BIOLOGY (LONDON), vol. 9, no. 5, May 2002 (2002-05), pages 545-553, XP002277486 ISSN: 1074-5521	
A	LEE RICHARD E ET AL: "Mycolic acid biosynthesis: Definition and targeting of the Claisen condensation step" BIOCHIMICA ET BIOPHYSICA ACTA, vol. 1346, no. 3, 1997, pages 275-284, XP001187598 ISSN: 0006-3002	